

QUESTIONS AND ANSWERS for RFQ 19H08021Q0075

To correct estimation the connection cables for the ground bars in cabinets. Can you provide distribution plans of the cabinets in data center?

A: See floor distribution plan enclosed (PDF file pages 5, 11, 12)

For the Modular Uninterruptible Power System, the picture shows the PDU Cabinet; this is necessary for the power distribution to the PDUs in cabinets. The PDU cabinet should be included? If your answer is affirmative, please attach the technical specifications for the PDU Cabinet.

A: Yes

In item 007 100KVA Generator the nominal requested voltage is 415V, but other equipment in the requirement like the UPS's operates in voltage 208 V. To reduce potential points of failure, reduce the use of space necessary inside the data center and electrical noise, the installation of transformers in the input and output of the UPSs is not recommended, and we understand the voltage to use in the data center is 208 V. Please indicate the right voltage to estimate this item.

A: 208V -240V

Please indicate if the ATS (automatic transfer switch) should be included in the quotation.

A: Yes

Please indicate if the electrical connection for the UPS (input and output if it is needed), generator, ATS should be offer for this quotation.

A: Yes

Please indicate if there is three-phase power at the installation site, this is necessary for the requested UPS.

A: Yes there is three-phase power at the installation site

Please indicate if is needed a gases exhaust extension for the generator. Please provide the length if it's needed.

A: See floor distribution plan enclosed (PDF file pages 5, 11, 12)

Please indicate if the IT cabinets must be included as part of this quote?

A: No, communications racks will be acquired separately

In the requirements of item 006 we can see two UPS are requested, and we understand they are operating in a redundant scheme. When we review the number of rack PDU, only found 14 PDU. This will not allow to have a redundant scheme for the power supply in each cabinet, so it is recommended to have two PDUs per cabinet, therefore this will amount to a number of 28 PDUs. Please indicate how many PDUs should be included in the offer.

A: 14

Please indicate what should be the autonomy time of the generator, in the event of a power interruption.

A: minimum of 8 hours

Please indicate if the generator should include heaters.

A: No

In the scope indicate the operating voltage since 120 V to 480 V, in comparison with the other electrical equipment in the requirement we understand that these must be voltage 208V, please confirm the operating voltage for the surge protection devices.

A: 208V-240V

Please Indicate if the raised false floor it is part of the scope of this proposal.

A: There will be a raised false floor of 30cm (1 foot)

Please indicate what labors should be Included in Miscellaneous Installation and Transportation Costs (electrical connection).

A: The miscellaneous installation should include all the necessary work to complete the electrical connections to standard and acceptable state to provide and support the necessary power generation and demand of the data center.

Please indicate the enclosure required for the ATS. (Nema 1, NEMA 3R, etc.)

A: NEMA 3R

16. Who will be responsible for the electrical installations for the connection of these equipment's? For example: who will supply the inputs and outputs of the UPS's,? the outputs for connecting the PDUs?

A: Selected vendor to conduct the electrical work

The specified strip ground bars are for 45U racks, please confirm if this is the size of the rack in which they will be used?

A: 42U X 42"D X 23"W

In the ground reference network (SRG) requested, the reference system of the building to which the SRG is to be connected will be provided by the building builder?

A: Yes

Will it provide the interconnection cable between the two systems?

A: Yes

For the SPD: What voltage is it going to connect to?

A: 110V – 120V

Which Delta or Star configuration?

A: Delta

Which electric board is going to be connected, brand and type?

A: Unknown at this point, building is still under construction and no electrical work has been completed

Should the protection breaker be included?

A: Yes

Can you provide site dimensions, width length and height?

A: See floor distribution blue print plan enclosed

UPS: How much backup time is required at what power?

A: 2 hours at 110V-120V

UPS: You request an input current capacity of 332A that multiplied by the voltage (208V, three phase)) gives a power of 120KW, perhaps it is required that the UPS chassis can support a growth up to 120KW in the future. If growth is not planned, this requirement will oversize unnecessary the capacity of the UPS.

A: we are seeking 100KW minimum

What is the output voltage of the generator? This question is because the requirement says 415VAC and all the other equipment is being requested in 208v.

A: 208V-240V

Is an automatic transfer (ATS) required for the generator?

A: Yes

Should civil works be included for the assembly of the generator, concrete base, chimneys, generator room, etc?

A: A room to accommodate the generator with all its components is part of the civil work in progress

Please provide the data center drawings with your rack and other equipment distribution. Also provide the plans of the space allocated for the generator.

A: See floor distribution plan enclosed

As an observation, once you answer these questions provide an opportunity for another round of questions, so that we can discuss the answers you provide and solve doubts.

A: Acknowledged